

CLAIMS

1. (Currently Amended) A system for transferring electronic medical files comprising:
 - a record client comprising software systems operating on a processing platform;
 - the record client comprising a diagnostic record system configured to include generated diagnostic record data in a medical record data file;
 - the record client comprising a comment record system configured to receive and include comments from a local practitioner or a remote practitioner, and associate the comments with the diagnostic record data in the medical record data file following entry of the comments by the practitioner;
 - the record client ~~tracking system~~comprising an encapsulation system configured to encapsulate a first version of the medical record data file including the diagnostic record data and comments [[data]], wherein encapsulating the medical record data file comprises encryption algorithms that generate a record tracking data value based on the exact data structure of the entire medical record data file or preselected portions thereof;
 - the encapsulation system configured to buffer the first version of the medical record data file when accessed such that any modification causes the first version of the medical record data file to be stored separately from the modified version;
 - a network communications medium configured to transfer [[the]] encapsulated medical record data files between the record client and a record server;
 - the record server comprising software systems operating on a processing platform;
 - the record server comprising a sync system configured to compare the record tracking data values of the first version of the encapsulated medical record data file and a second version of the

encapsulated medical record data file to determine whether modification to part or all of a medical data record has occurred;

the sync system of the record server also configured to store at the record client the most recent version of the encapsulated medical record data file, and to store on [[the]]~~a~~ record server tracking system all historical versions of the encapsulated medical record data file in a record database system, wherein [[the]] record data stored by the record database system is organized as one or more files where each file has one or more data fields; and

the record server comprising a notification system configured to generate a message comprising a notification that an encapsulated medical record data file has been received to be reviewed.

2. (Currently Amended) The system of claim 1 wherein the ~~record~~-sync system is further configured to verify that the record client has received a sync file before transferring the medical record data file.

3. (Currently Amended) The system of claim 1 wherein the record server ~~comprises~~ a tracking system is further configured to update a tracking record when [[the]]~~a~~ ~~received~~-version of the medical record data file is received by the record server.

4. (Currently Amended) The system of claim 1 wherein the record client comprises a tracking system ~~further~~-configured to update a tracking record when the medical record data file is accessed.

5. (Previously Presented) The system of claim 1 wherein the record client further comprises a remote data system configured to generate medical record data.

6. (Cancelled)

7. (Cancelled)

8. (Previously Presented) The system of claim 1 wherein the record server further comprises an excerpt transfer system configured to receive medical record excerpt data and transfer it to a predetermined recipient.

9. (Currently Amended) The system of claim 1 wherein the notification system is further configured to transfer notification data to a party regarding the availability of medical record data, the notification data comprising notification of [[the]]~~a transmission of the first~~ version of the medical record data file to the record client.

10. (Currently Amended) A method for transferring electronic medical files comprising:
 providing a record client comprising software systems operating on a processing platform;
 including, by the record client comprising a diagnostic record system, generated diagnostic record data in a medical record data file;
 receiving and including, by the record client comprising a comment record system, comments from a local practitioner or a remote practitioner, and associating the comments with the

diagnostic record data in the medical record data file following entry of the comments by the practitioner;

encapsulating, by the record client comprising a tracking system, a first version of the medical record data file including the diagnostic record and comment data and the comments, wherein encapsulating the medical record data file comprises encryption algorithms that generate a record tracking data value based on the exact data structure of the entire medical record data file or preselected portions thereof;

buffering, by the encapsulation system, the first version of the medical record data file when accessed such that any modification causes the first version of the medical record data file to be stored separately from the modified version;

transferring, by a network communications medium, the encapsulated medical record data file[[s]] betweenfrom the record client [[and]]to a record server, wherein the record server comprises software systems operating on a processing platform;

comparing, by the record server comprising a sync system, the record tracking data values of the first version of the encapsulated medical record data file and a second version of the encapsulated medical record data file to determine whether modification to part or all of a medical data record has occurred;

storing at the record client, by the sync system of the record server, the most recent version of the encapsulated medical record data file, and [[to]] storing on the record server comprising a tracking system all historical versions of the encapsulated medical record data file in a record database system, wherein [[the]] record data stored by the record database system is organized as one or more files where each file has one or more data fields; and

generating, by the record server comprising a notification system, a message comprising a notification that an encapsulated medical record data file has been received to be reviewed.

11. (Currently Amended) The method of claim 10 wherein transferring the ~~first version encapsulated of the medical record data file to a remote location~~the record server comprises transferring a sync file to the ~~remote location~~record server.

12. (Currently Amended) The method of claim 10 wherein including the ~~first medical generated diagnostic~~ record data in[[to]] the first medical record data file comprises storing a tracking record with the first medical record data file.

13. (Currently Amended) The method of claim 10 further comprising generating notification data at ~~a remote location~~the record server, the notification data comprising notification of the transfer of the first version of the medical record data file to the ~~remote location~~record server.

14. (Currently Amended) The method of claim 10 further comprising:
accessing the medical record data file at the ~~remote location~~record server; and
updating a tracking record to show that the medical record data file has been accessed at the ~~remote location~~record server.

15. (Currently Amended) The method of claim 10 further comprising:
receiving [[the]] additional medical record data at the ~~remote location~~record server;

encapsulating the additional medical record data, wherein encapsulating the additional medical record data comprises generating a second value based on the data structure of the additional medical record data; and

updating the medical record data file to include the additional medical record data.

16. – 36. (Cancelled)